

WEST Search History

DATE: Tuesday, February 15, 2005

Hide? Set Name Query

Hit Count

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=ADJ

<input type="checkbox"/>	L19	L18 same liquid crystal\$	20
<input type="checkbox"/>	L18	L17 same alcohol	342
<input type="checkbox"/>	L17	L16 same (optically active or chiral or asymmetric)	1516
<input type="checkbox"/>	L16	terpenol or cinchonidine or borneol or quinine	10299
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<input type="checkbox"/>	L14	US-5401436-A1.did.	0

DB=PGPB; PLUR=NO; OP=ADJ

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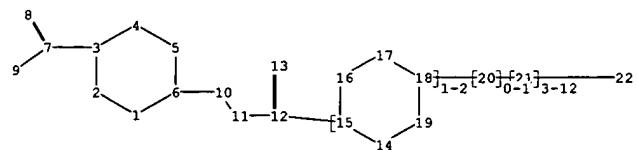
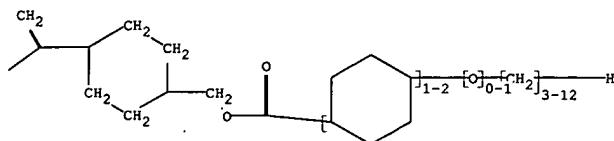
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DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=ADJ

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<input type="checkbox"/>	L1	wo-2004092123-\$.did.	2

END OF SEARCH HISTORY



chain nodes :

7 8 9 10 11 12 13 20 21 22

ring nodes :

1 2 3 4 5 6 14 15 16 17 18 19

chain bonds :

3-7 6-10 7-8 7-9 10-11 11-12 12-13 12-15 18-20 20-21 21-22

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 14-15 14-19 15-16 16-17 17-18 18-19

exact/norm bonds :

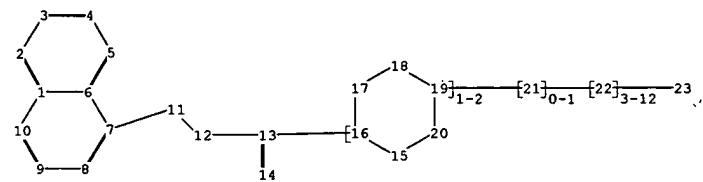
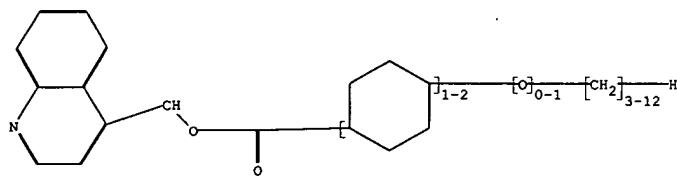
1-2 1-6 2-3 3-4 4-5 5-6 11-12 12-13 14-15 14-19 15-16 16-17
17-18 18-19 18-20

exact bonds :

3-7 6-10 7-8 7-9 10-11 12-15 20-21 21-22

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom
18:Atom 19:Atom 20:CLASS 21:CLASS 22:CLASS



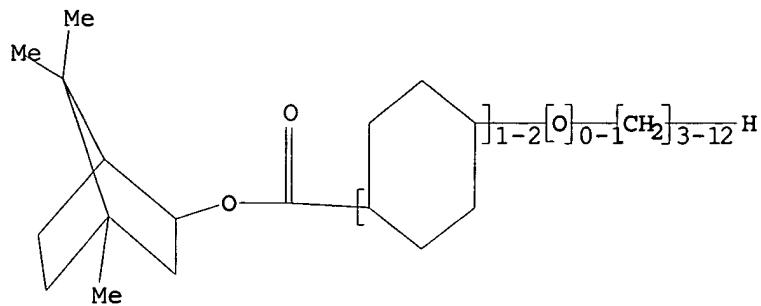
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chain nodes :
 11 12 13 14 21 22 23
ring nodes :
 1 2 3 4 5 6 7 8 9 10 15 16 17 18 19 20
chain bonds :
 7-11 11-12 12-13 13-14 13-16 19-21 21-22 22-23
ring bonds :
 1-2 1-6 1-10 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 15-16 15-20
 16-17 17-18 18-19 19-20
exact/norm bonds :
 11-12 12-13 13-14 15-16 15-20 16-17 17-18 18-19 19-20 19-21
exact bonds :
 7-11 13-16 21-22 22-23
normalized bonds :
 1-2 1-6 1-10 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom
10:Atom 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:Atom 16:Atom 17:Atom
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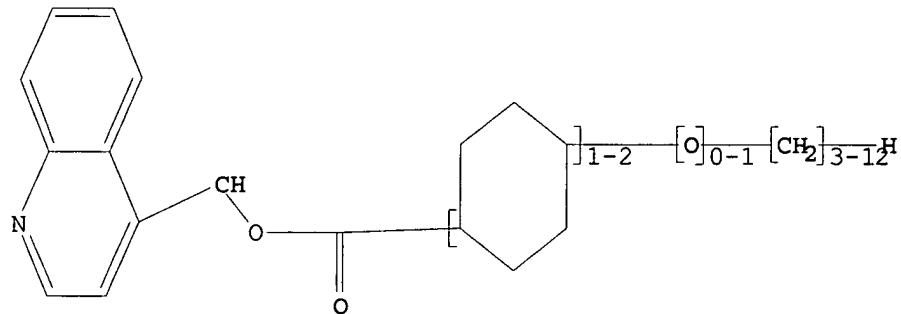
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L2 STR



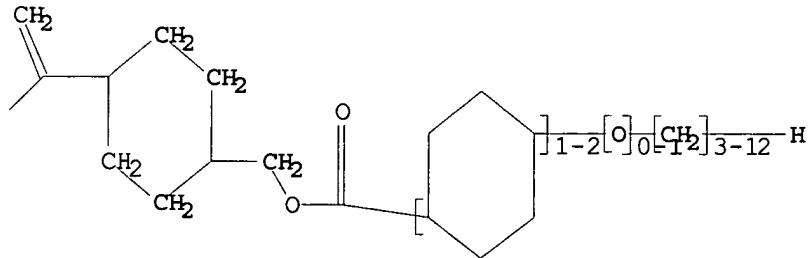
Structure attributes must be viewed using STN Express query preparation.

=> dis 11
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> dis 13
L3 HAS NO ANSWERS
L3 STR



Structure attributes must be viewed using STN Express query preparation.

AN 2004:612112 CAPLUS
 DN 141:164926
 ED Entered STN: 30 Jul 2004
 TI Liquid crystal esters showing high twisting power and solubility in nematic liquid crystals, and their manufacture and compositions
 IN Li, Tao Hung; Chen, Ting Chen; Tei, Kung Lung
 PA Industrial Technology Research Institute, Taiwan
 SO Jpn. Kokai Tokkyo Koho, 37 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C07C069-75
 ICS C07C067-08; C07C069-92; C07C069-94; C07D471-08; C09K019-30; C09K019-32; C09K019-34; C09K019-42; G02F001-13; C07B053-00; C07M007-00
 CC 74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
 Section cross-reference(s): 30, 31, 73, 75
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004210770	A2	20040729	JP 2003-419896	20031217
	TW 585898	B	20040501	TW 2002-91137452	<u>20021226</u>
PRAI	TW 2002-91137452	A	20021226		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2004210770	ICM	C07C069-75
	ICS	C07C067-08; C07C069-92; C07C069-94; C07D471-08; C09K019-30; C09K019-32; C09K019-34; C09K019-42; G02F001-13; C07B053-00; C07M007-00
JP 2004210770	FTERM	4C065/AA09; 4C065/BB09; 4C065/CC01; 4C065/DD01; 4C065/EE02; 4C065/HH02; 4C065/JJ01; 4C065/KK04; 4C065/LL01; 4C065/PP19; 4H006/AA01; 4H006/AA02; 4H006/AB64; 4H006/AC81; 4H006/BJ20; 4H006/BJ30; 4H006/BJ50; 4H006/BP30; 4H006/KA06; 4H027/BA01; 4H027/BB03; 4H027/BB04; 4H027/BC05; 4H027/BD04; 4H027/BD07; 4H027/BD14; 4H027/BD16

OS MARPAT 141:164926
 AB The esters A1COGnR1 or A1COGnCOA1 [A1 = alkoxy derived from natural alc. chosen from terpenol, borneol, cinchonidine, and quinine; R1 = H, (F-substituted) C1-10 (thio)alkyl, (F-substituted) C1-10 alkyloxy; G = (F-, alkyl-, or alkyloxy-substituted) cycloalkylene, heterocyclylene, (hetero)arylene, (hetero)arylalkylene; n = 1-3] are manufactured by esterification of HO2CGnR1 or HO2CGnCO2H with optically active natural alc. Large amount of the esters are economically manufactured. The compns. are useful for wavelength-selective optical reflectors, color filters, and reflective liquid crystal displays, preferably, twisted nematic, super twisted nematic, single super twisted nematic, or thin-film transistor liquid crystal displays.
 ST liq crystal natural alc ester manuf; borneol ester chiral dopant liq crystal; cinchonidine chiral dopant liq crystal; quinine ester chiral dopant liq crystal; super twisted nematic LCD quinine biphenyl carboxylate; wavelength selective optical reflector liq crystal quinine ester; color filter liq crystal natural alc ester; reflection liq crystal display quinine ester
 IT Liquid crystals
 (cholesteric; manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)
 IT Optical filters
 Optical reflectors
 (manufacture of liquid crystal natural alc. esters as chiral dopants for liquid

crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

IT Liquid crystals
(nematic, super-twisted; manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

IT Liquid crystal displays
(reflection; manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

IT 727732-25-4P 727732-27-6P 727732-29-8P 727732-31-2P 727732-33-4P
727732-35-6P 727732-37-8P 727732-39-0P
727732-41-4P 727732-43-6P 727732-46-9P
727732-48-1P 727732-50-5P 727732-52-7P
RL: DEV (Device component use); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

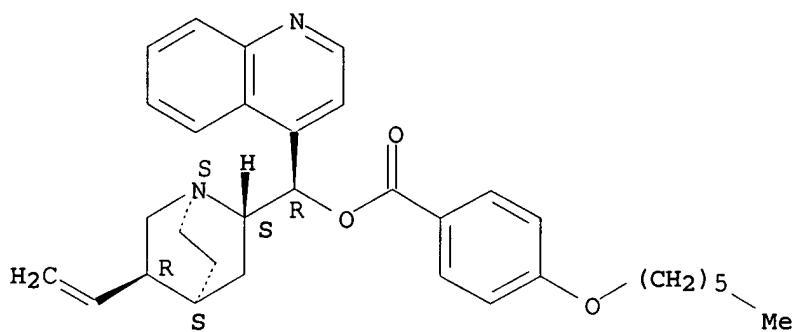
IT 148196-56-9, ZLI-5400-100 190208-50-5, ZLI-5200-100 264912-73-4, MLC-6657-100 727992-30-5, ZLI 5100-100 727992-32-7, MLC 6670-100 727992-35-0, RD 88873
RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)
(manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

IT 130-95-0 485-71-2 619-82-9 1142-39-8 22451-48-5 24326-33-8
38289-27-9 69367-32-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

IT 727732-37-8P 727732-39-0P 727732-41-4P
727732-43-6P 727732-46-9P 727732-48-1P
RL: DEV (Device component use); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

RN 727732-37-8 CAPLUS
CN Cinchonan-9-ol, 4-(hexyloxy)benzoate (ester), (8 α ,9R)- (9CI) (CA INDEX NAME)

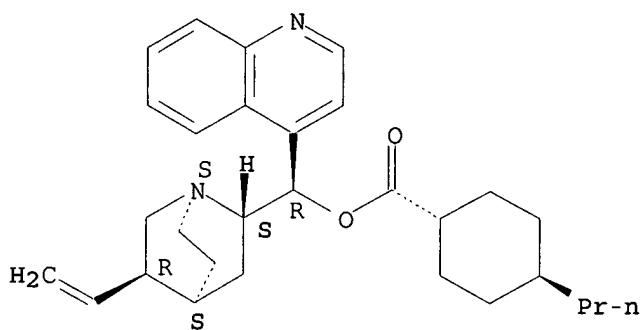
Absolute stereochemistry.



RN 727732-39-0 CAPLUS

CN Cinchonan-9-ol, *trans*-4-propylcyclohexanecarboxylate (ester),
(8 α ,9R)- (9CI) (CA INDEX NAME)

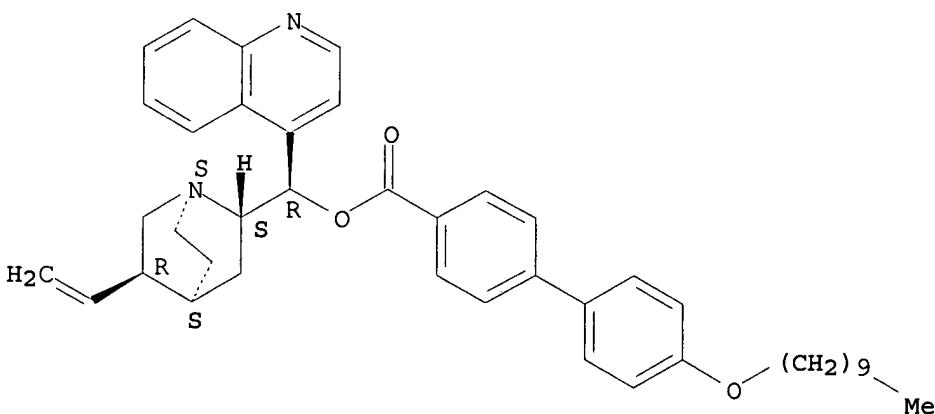
Absolute stereochemistry.



RN 727732-41-4 CAPLUS

CN Cinchonan-9-ol, 4'-(decyloxy)[1,1'-biphenyl]-4-carboxylate (ester),
(8 α ,9R)- (9CI) (CA INDEX NAME)

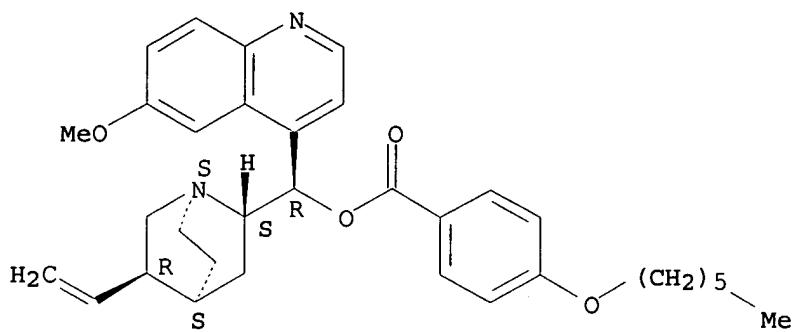
Absolute stereochemistry.



RN 727732-43-6 CAPLUS

CN Cinchonan-9-ol, 6'-methoxy-, 4-(hexyloxy)benzoate (ester), (8 α ,9R)-
(9CI) (CA INDEX NAME)

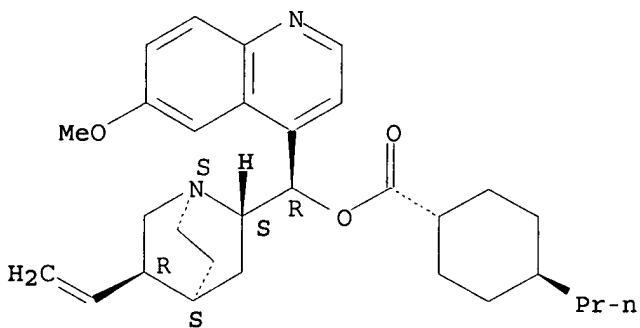
Absolute stereochemistry.



RN 727732-46-9 CAPLUS

CN Cinchonan-9-ol, 6'-methoxy-, trans-4-propylcyclohexanecarboxylate (ester),
(8 α ,9R) - (9CI) (CA INDEX NAME)

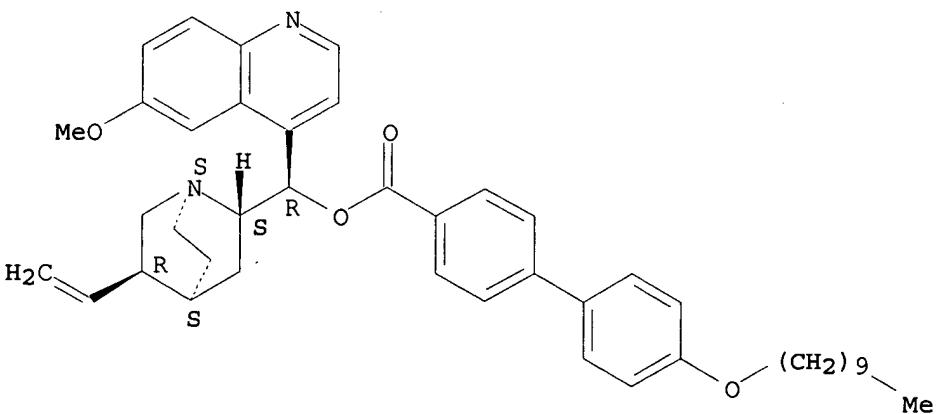
Absolute stereochemistry.



RN 727732-48-1 CAPLUS

CN Cinchonan-9-ol, 6'-methoxy-, 4'-(decyloxy)[1,1'-biphenyl]-4-carboxylate (ester), (8 α ,9R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



AN 2004:902341 CAPLUS
 DN 141:379919
 ED Entered STN: 28 Oct 2004
 TI Preparation of (iso)thiazole benzenesulfonamides and other heterocycles as
 inhibitors of fungal invasion
 IN Talley, John Jeffrey; Fretzen, Angelika; Zimmerman, Craig; Barden,
 Timothy.; Yang, Jing Jing; Martinez, Eduardo; Milne, G. Todd; Etchell, A.
 Cordero; Christine, M. Pierce; Houman, Fariba; Busby, Robert; Summers,
 Eric F.; Antonelli, Stephen; Lee, Peter; Farwell, Michael; Mayorga, Maria;
 O'Leary, Jessica
 PA Microbia, Inc., USA
 SO PCT Int. Appl., 179 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C07D
 CC 28-7 (Heterocyclic Compounds (More Than One Hetero Atom))
 Section cross-reference(s): 1, 27, 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004092123	A2	20041028	WO 2004-US11187	20040412
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PRAI	US 2003-461727P	P	20030410		
	US 2003-469286P	P	20030509		
	US 2003-485678P	P	20030709		

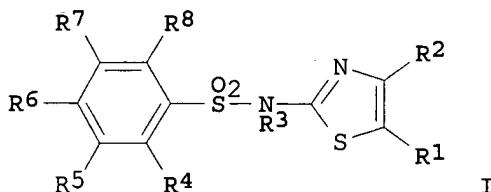
CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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WO 2004092123	ICM	C07D
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OS MARPAT 141:379919

GI



AB Title compds. e.g. [I; R1 = (substituted) alkyl, alkoxy; R2 = H, halo; R3 = H, CHO, Ac, (substituted) alkyl; R4 = H, halo, (substituted) alkyl, cycloalkyl, alkenyl, alkynyl, alkylamino, Ph, heteroaryl], were prepared. Thus, 4-bromo-2-fluoro-N-(5-methylthiazol-2-yl)benzenesulfonamide, 4-fluorobenzeneboronic acid, Pd(PPh₃)₄, and K₂CO₃ were stirred in PhMe/Me₂CHOH/H₂O to give 15% 2,4'-difluoro-N-(5-methylthiazol-2-yl)-1,1'-biphenyl-4-sulfonamide. In a screen for inhibition of *Candida albicans* logarithmic phase growth, title compds. showed IC₅₀'s of as low as 0.0005 μM.
 ST isothiazole benzenesulfonamide prep fungal invasion inhibitor; thiazole

benzenesulfonamide prepn fungal invasion inhibitor; piperidineamine prepn
fungal invasion inhibitor

IT Drug delivery systems
Fungicides
Human
(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as
inhibitors of fungal invasion)

IT Mycosis
(treatment; preparation of (iso)thiazole benzenesulfonamides and other
heterocycles as inhibitors of fungal invasion)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(yadA, inhibitors; preparation of (iso)thiazole benzenesulfonamides and
other heterocycles as inhibitors of fungal invasion)

IT 782475-47-2P 782475-48-3P 782475-49-4P 782475-51-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as
inhibitors of fungal invasion)

IT 56-54-2 86-98-6 112-38-9, 10-Undecenoic acid 118-10-5 130-95-0
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RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)

(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as
 inhibitors of fungal invasion)

IT 782476-78-2 782476-79-3 782476-80-6 782476-81-7 782476-82-8
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 782477-28-5 782477-29-6 782477-30-9 782477-31-0 782478-59-5

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)

(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as
 inhibitors of fungal invasion)

IT 71-23-8, 1-Propanol, reactions 98-58-8, 4-Bromobenzenesulfonyl chloride
 1765-93-1, 4-Fluorobenzeneboronic acid 73579-08-5, 1-Methyl-4-
 methylaminopiperidine 79124-76-8, 3-(3,4-Dichlorophenoxy)benzaldehyde
 92274-43-6 128146-85-0, 3-Amino-5-methylisothiazole 349624-47-1,
 4-Fluoro-N-(5-methylisoxazol-3-yl)benzenesulfonamide 782475-54-1,
 4-Bromo-2-fluoro-N-(5-methyl-1,3-thiazol-2-yl)benzenesulfonamide

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as
 inhibitors of fungal invasion)

IT 782475-52-9P, 4-Bromo-N-(5-methylisothiazol-3-yl)benzenesulfonamide
 782475-53-0P, 4-Fluoro-N-(5-methylisothiazol-3-yl)benzenesulfonamide

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)

(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as
 inhibitors of fungal invasion)

IT 782476-48-6 782476-50-0

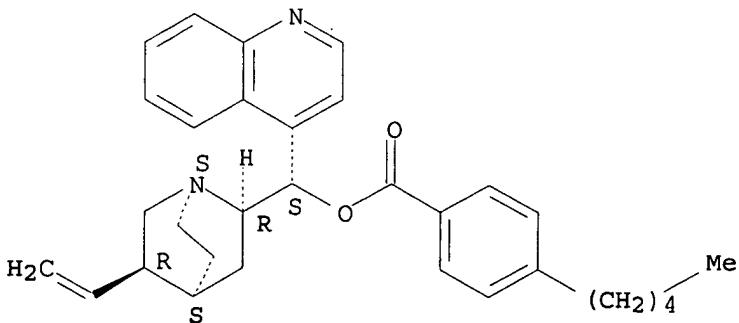
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)

(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as
 inhibitors of fungal invasion)

RN 782476-48-6 CAPLUS

CN Cinchonan-9-ol, 4-pentylbenzoate (ester), (9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 782476-50-0 CAPLUS

CN Cinchonan-9-ol, 10,11-dihydro-6'-methoxy-, 5-pentylbenzoate (ester), (9S)-

(9CI) (CA INDEX NAME)

Absolute stereochemistry.

